



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q63913

Rui ISHIYAMA

Appln. No.: 09/823,763

Group Art Unit: 2621

Confirmation No.: 9124

Examiner: Tom Y.LU

Filed: April 03, 2001

For: DEVICE, METHOD AND RECORD MEDIUM FOR IMAGE COMPARISON

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**RECEIVED**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

JUL 19 2004

Technology Center 2600

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Paul J. Besl, et al., "Three-Dimensional Object Recognition" ACM Computing Surveys, New York, NY, Vol. 17, No. 1, March 1985, pages 75-145.
2. Japanese Unexamined Patent Application Publication No. H09-259271, published October 3, 1997.
3. Athinodoros S. Georghiades, et al., "Illumination Cones for Recognition under Variable Lighting: Faces" Computer Vision and Pattern Recognition, 1998, Proceedings, 1998 IEEE Computer Society Conference on Santa Barbara, CA, June

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23-25 1998, Los Alamitos, CA, IEEE Computer Society, June 23, 1998, pages 52-58.

4. Shinn-Ying Ho, et al. "An Analytic Solution for the Pose Determination of Human Faces from a Monocular Image", Pattern Recognition Letters, North-Holland Publications, Amsterdam, Netherlands, Vol. 19, No. 11, September 1, 1998, pages 1045-1054.

5. Japanese Unexamined Patent Application Publication No. H06-168317, published June 14, 1994.

6. Hiroshi Murase, et al., "Visual Learning and Recognition of 3-D Objects From Appearance" International Journal of Computer Vision, Kluwer Academic Publishers, Norwell, US, Vol. 14, No. 1, 1995, pages 5-24.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a corresponding European Search Report dated April 16, 2004 which cites such documents and indicates the degree of relevance found by the foreign patent office.

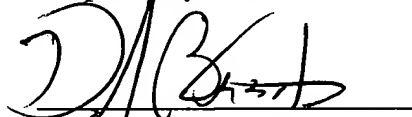
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The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "H. Bernstein", is written over a horizontal line.

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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: July 16, 2004

Substitute for Form 1449 A &amp; B/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet

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of

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*Complete if Known*

Application Number	09/823,763
Confirmation Number	9124
Filing Date	April 03, 2001
First Named Inventor	Rui ISHIYAMA
Art Unit	2621
Examiner Name	Tom Y.LU
Attorney Docket Number	Q63913

## FOREIGN PATENT DOCUMENTS

[illegible]

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		Paul J. Besl, et al., "Three-Dimensional Object Recognition" ACM Computing Surveys, New York, NY, Vol. 17, No. 1, March 1985, pages 75-145.	
		Athinodoros S. Georghiades, et al., "Illumination Cones for Recognition under Variable Lighting: Faces" Computer Vision and Pattern Recognition, 1998, Proceedings, 1998 IEEE Computer Society Conference on Santa Barbara, CA, June 23-25 1998, Los Alamitos, CA, IEEE Computer Society, June 23, 1998, pages 52-58.	
		Shinn-Ying Ho, et al. "An Analytic Solution for the Pose Determination of Human Faces from a Monocular Image", Pattern Recognition Letters, North-Holland Publications, Amsterdam, Netherlands, Vol. 19, No. 11, September 1, 1998, pages 1045-1054.	
		Hiroshi Murase, et al., "Visual Learning and Recognition of 3-D Objects From Appearance" International Journal of Computer Vision, Kluwer Academic Publishers, Norwell, US, Vol. 14, No. 1, 1995, pages 5-24.	

**Examiner Signature**

**Date Considered**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.